UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/903,046	07/11/2001	William M. Dovin	END920010022US1 (14549)	9408

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EXAMINER
BASEHOAR, ADAM L

ART UNIT	PAPER NUMBER
2178	

DATE MAILED: 12/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Office Action Summary	Application No.	Applicant(s)
		09/903,046	DOVIN ET AL.
		Examiner	Art Unit
		Adam L Basehoar	2178

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *11 July 2004*.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-58* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-58* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *11 July 2001* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *07/11/04*.

4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

1.   This action is responsive to communications: The Application filed and the IDS filed on

07/11/01.

2.   Claims 1-58 are pending in the case. Claims 1, 12, 22, 33, 41, 49, and 57-58 are

independent claims.

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4.   Claims 1-2, 5-9, 11-13, 16-19, 21-23, 26-30, 32, and 57 are rejected under 35

U.S.C. 102(b) as being anticipated by Yahoo Screen Pages, 10/05/1999, pp. 1-5,

http://web.archive.org/web/19991005031700/http://dir.yahoo.com/Arts/Artists/Masters/Directori

es/. (Hereafter referenced as Yahoo).

-In regard to independent claims 1, 12, 22, and 57, Yahoo teaches:

a web server (Yahoo web server);

a web browser associated with the client (pp. 1-5, rendered by user's browser);

generating a breadcrumb (pp. 2-5: "Home", "Arts", "Artists", "Masters", "Directories")

for each web page downloaded to a web browser (each page, 1-5, represent a downloaded web

page in succession from the previous page) associated with a client (user) from a web server

(Yahoo web server) associated with the Website (yahoo.com), the breadcrumbs including

navigation information (Title & URL Link) for each downloaded web page;

storing breadcrumbs associated with web pages downloaded to the web browser at the

client (i.e. downloaded web pages and breadcrumbs are stored in user's computer Internet temp

file or cache);

updating the stored breadcrumbs (pp. 3: "Home> Arts >") with the generated breadcrumb

(pp. 4: "Home > Arts > Artists >") to form a breadcrumb navigation trail (pp. 5: "Home > Arts >

Artists > Masters >) of breadcrumbs associated with navigation of the web.

-In regard to dependent claims 2, 13, and 23, Yahoo teaches where the navigation info

includes a title (pp. 3: "Home > Arts >) and a URL (pp. 3: Selectable URLs "Home" and "Arts")

for each downloaded web page.

-In regard to dependent claims 5, 16, and 26, Yahoo teaches wherein the Yahoo web

server embeds a breadcrumbing engine (i.e. embeds the breadcrumbing trail dependent on

previous traversals) into each web page before each web page was downloaded to the browser

(pp. 1-5), where the breadcrumbing engine performs the steps (a)-(d).

-In regard to dependent claims 6 and 27, Yahoo teaches wherein the web browser

executes the breadcrumbing engine in each web page after downloading the page (pp. 1-5: As

shown in the browser rendering the successive breadcrumbing navigation trail).

-In regard to dependent claims 7, 17, and 28, Yahoo teaches determining whether the breadcrumb for each downloaded web page was already stored at the client (e.g. clicking from pp. 5 "Arts" which was a breadcrumb already stored from the traversal from the home page which results in removing the "Arts" breadcrumb and all subsequent breadcrumbs ("Artists" and "Masters") in the navigation trail).

-In regard to dependent claims 8, 18, and 29, Yahoo teaches removing the breadcrumb and subsequent breadcrumbs from the stored breadcrumbs if the breadcrumb was determined to be stored at the client (i.e. clicking from pp. 5 "Arts" which was a breadcrumb already stored from the traversal from the home page and removing the "Arts" breadcrumb and all subsequent breadcrumbs ("Artists" and "Masters") in the navigation trail).

-In regard to dependent claims 9, 19, and 30, Yahoo teaches appending the breadcrumb (pp. 3: "Artists") to existing breadcrumbs (pp. 2: "Home" and "Arts") stored at he client to form the breadcrumb navigation trail (pp. 3) if the breadcrumb was not already stored at the client.

-In regard to dependent claims 11, 21, and 32, Yahoo teaches iterating thru the breadcrumbs in the breadcrumb navigation trail (pp. 5); and displaying a last breadcrumb (pp. 5: "Directories") in the breadcrumb trail (pp. 5: "Home > Arts > Artists > Masters >") as plain HTML and displaying preceding breadcrumbs as HTML links (pp. 5: "Home > Arts > Artists > Masters >") to the corresponding web pages.

Claim Rejections - 35 USC § 103

5.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
> section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are
> such that the subject matter as a whole would have been obvious at the time the invention was made to a person
> having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the
> manner in which the invention was made.

6.   Claims 33-34, 36-42, 44-50, 52-56, and 58 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Yahoo Screen Pages, 10/05/1999, pp. 1-5,

http://web.archive.org/web/19991005031700/http://dir.yahoo.com/Arts/Artists/Masters/Directori

es/. (Hereafter referenced as Yahoo) in view of Wecker (US-5,806,077 10/08/98).

           -In regard to independent claims 33, 41, 49, and 58, Yahoo teaches:

           a web server (Yahoo web server);

           a web browser associated with the client (pp. 1-5, rendered by user's browser);

           generating a breadcrumb (pp. 2-5: "Home", "Arts", "Artists", "Masters", "Directories")

for each web page downloaded to a web browser (each page, 1-5, represent a downloaded web

page in succession from the previous page) associated with a client (user) from a web server

(Yahoo web server) associated with the Website (yahoo.com), the breadcrumbs including

navigation information (Title & URL Link) for each downloaded web page;

           storing breadcrumbs associated with web pages downloaded to the web browser at the

client (i.e. downloaded web pages and breadcrumbs are stored in user's computer Internet temp

file or cache);

updating the stored breadcrumbs (pp. 3: "Home> Arts >") with the generated breadcrumb

(pp. 4: "Home > Arts > Artists >") to form a breadcrumb navigation trail (pp. 5: "Home > Arts >

Artists > Masters >) of breadcrumbs associated with navigation of the web.

Yahoo does not teach setting a time stamp corresponding to the breadcrumb navigation

trail and storing it at the client, determining whether a time interval between the time stamp and

the time a newly downloaded web page was received exceeds a threshold, and displaying the

navigation trail on the downloaded web page if the time interval exceeds the threshold.

Wecker teaches setting a time stamp corresponding to breadcrumb navigation trail

(footprint time stamp of each visited link)(column 1, lines 64-67) and storing it at the client

(column 4, lines 42-43)(Fig. 1: 10), determining a time interval between the time stamp (Fig. 3:

"Last Visit") and the newly downloaded web page (column 1, lines 66-67) to see if it exceeds a

threshold (column 4, lines 54-63), and displaying a navigation trail on the downloaded web page

(i.e. footprints or marker: Fig. 2: 26) if the time interval exceeds the threshold (column 5, lines 1-

3). It would have been obvious to one of ordinary skill in the art at the time of the invention for

Yahoo to have saved a time stamp and computed a time interval and threshold as shown in

Wrecker, because Wrecker teaches by doing so the user was given more control via a prompt to

edit the navigation trail to their personal preferences (column 4, lines 54-58 & 63-66)(Fig. 3).

-In regard to dependent claims 34, 42, and 50, Yahoo teaches where the navigation info

includes a title (pp. 3: "Home > Arts >) and a URL (pp. 3: Selectable URLs "Home" and "Arts")

for each downloaded web page.

-In regard to dependent claims 36, 44, and 52, Yahoo teaches wherein the Yahoo web server embeds a breadcrumbing engine (i.e. embeds the breadcrumbing trail dependent on previous traversals) into each web page before each web page was downloaded to the browser (pp. 1-5), where the breadcrumbing engine performs the steps (a)-(e).

-In regard to dependent claims 37, 45, and 53, Yahoo does not teach defining the threshold within the breadcrumbing engine of each downloaded web page. As discussed above in the rejection of the independent claims 33, 41, 49, and 58, Wrecker teaches establishing a time based threshold (column 4, lines 54-63) to help manage the user display.

-In regard to dependent claims 38, 46, and 54, Wecker teaches prompting a user (Fig. 3) regarding whether the user would like to resume navigation according to the breadcrumb navigation trail (column 4, lines 54-58), to help the user better manage the user display.

-In regard to dependent claims 39, 47, and 55, Wrecker teaches if the user chooses to resume navigation according to the trail (i.e. the user decides not the "Clear" the trail)(column 4, lines 54-58), the method further sets the time stamp associated with the breadcrumb navigation trail to the time associated with the downloading of the web page (i.e. a time stamp would be stored for the resumption of the trail and be saved to a file (Fig. 1: 10) as the "Last Visit" date) · (Fig: 3) according to navigation information of a last breadcrumb in the breadcrumb navigation trail (column 4, lines 32-41) and storing the time stamp at the client (column 4, lines 42-43).

-In regard to dependent claims 40, 48, and 56, Wrecker teaches if the user chooses not to resume navigation according to the trail (i.e. the user decides to "Clear" the trail)(column 4, lines 54-58), the method deletes all breadcrumbs stored at the client (column 4, lines 55-58) and storing a breadcrumb generated for the subsequent downloaded web page at the client (column 4, lines 42-43) to form a new breadcrumb navigation trail (i.e. the subsequent "first visit" time would be stored)(column 4, lines 36-38);

setting the time stamp to the time associated with the subsequent downloaded web page and storing the time stamp at the client (column 4, lines 36-41)(Fig. 1: 10); and

displaying the new breadcrumb navigation trail on the subsequent downloaded web page (Fig. 2: 26).

7.   Claims 3-4, 10, 14-15, 20, 24-25, and 31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yahoo Screen Pages, 10/05/1999, pp. 1-5,

http://web.archive.org/web/19991005031700/http://dir.yahoo.com/Arts/Artists/Masters/Directori es/. (Hereafter referenced as Yahoo) in view of Privacy Compliance Resources, "Cookies," 02/10/01, pp. 1,

http://web.archive.org/web/20010210192514/http://www.idcide.com/pages/res_term.htm.

-In regard to dependent claims 3, 14, and 24, Yahoo does not teach creating a client-side cookie for storing the breadcrumbs associated with web pages downloaded to the web browser. Privacy Compliance Resources teaches that cookies were small text files that Web sites place in your computer. It would have been obvious to one of ordinary skill in the art at the time of the

invention for Yahoo to store the breadcrumbs as client-side cookies, because Privacy

Compliance Resources teaches that cookies help user browsers remember specific information

and remind users what they had already traversed on the web, which would have allowed the

users of Yahoo to go back to a given page and see a quick reference to the path of interest they

had followed to get there.

-In regard to dependent claims 4, 15, and 25, Yahoo teaches providing the title (pp. 3:

"Artists") associated with each downloaded web page within each downloaded web page (pp. 3).

-In regard to dependent claims 10, 20, and 31, Yahoo does not teach determining whether

the client has a client-side cookie and creating the client-side cookie if the client does not have it;

and setting a breadcrumb generated for a downloaded web page into the client side cookie. As

discussed above in the rejection of claims 3, 14, 24, 35, 43, and 51, Privacy Compliance

Resources teaches that cookies were small text files that Web sites place in your computer. It

would have been obvious to one of ordinary skill in the art at the time of the invention for Yahoo

to store the breadcrumbs as client-side cookies, because Privacy Compliance Resources teaches

that cookies help user browsers remember specific information and remind users what they had

already traversed on the web, which would have allowed the users of Yahoo to go back to a

given page and see a quick reference to the path of interest they had followed to get there.

8.   Claims 35, 43, and 51 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Yahoo Screen Pages, 10/05/1999, pp. 1-5,

http://web.archive.org/web/19991005031700/http://dir.yahoo.com/Arts/Artists/Masters/Directori

es/. (Hereafter referenced as Yahoo) in view of Privacy Compliance Resources, "Cookies,"

02/10/01, pp. 1,

http://web.archive.org/web/20010210192514/http://www.idcide.com/pages/res_term.htm, further

in view of Wecker (US-5,806,077 10/08/98).

        -In regard to dependent claims 35, 43, and 51, Yahoo does not teach creating a client-side

cookie for storing the breadcrumbs associated with web pages downloaded to the web browser.

Privacy Compliance Resources teaches that cookies were small text files that Web sites place in

your computer. It would have been obvious to one of ordinary skill in the art at the time of the

invention for Yahoo to store the breadcrumbs as client-side cookies, because Privacy

Compliance Resources teaches that cookies help user browsers remember specific information

and remind users what they had already traversed on the web, which would have allowed the

users of Yahoo to go back to a given page and see a quick reference to the path of interest they

had followed to get there.

        Yahoo further does not teach storing a time stamp in the cookie. Wrecker teaches storing

a breadcrumb time stamp local to the client (column 3, lines 38-44)(Fig. 1: 10). It would have

been obvious to one of ordinary skill in the art at the time of the invention for Yahoo to have

stored a time stamp in the client side cookie, because Wrecker teaches storing a breadcrumb time

stamp could be used to determine the last and first user visits to a downloaded web page (column

4, lines 36-41 & 58-67).

Conclusion

9.   The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

US-6,557,015	04-2003	Bates et al.
US-2002/0075331	06/20/02	Orbanes et al.

Whitewater.be, "Breadcrumbing using cookies," 02/16/2003, pp. 1-2,

http://www.whitewater.be/script/result.asp?action=view&id=82

10.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Adam L Basehoar whose telephone number is (571)-272-4121.

The examiner can normally be reached on M-F: 7:00am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Steve Hong can be reached on (703) 308-5465. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

STEPHEN S. HONG
PRIMARY EXAMINER

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